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# FOLIO

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## Appointments of Deans Announced by Board

The appointments of two new Deans and the reappointment of another were announced at the 3 May meeting of the Board of Governors.

Jean-Antoine Bour will become Dean of Faculté Saint-Jean and Dennis Foth will take over as Dean of the Faculty of Extension, both for a five-year period beginning 1 July 1985. Terry White was reappointed Dean of the Faculty of Arts for a three-year term.

Dr. Bour is Dean of Arts at Mount Allison University where he is responsible for, among other things, the staffing and budgeting of 19 departments, programs and services. Prior to being named Dean of Arts in 1983, Dr. Bour was Chairman of the Department of French and Spanish.

A native of Paris, Dr. Bour obtained his first bachelor's degree at Lycée Voltaire. He travelled to the United States in 1956 and served in the military medical corps for two years before enrolling at the University of Rochester, where he received another baccalaureate and a master's degree. He then attended Princeton to continue graduate work, and received another master's degree and his doctorate in Roman History.

Dr. Bour has taught at Princeton, Brown University, and Claremont Men's College and was an invited Professor at University College, Cardiff, Wales. He joined the faculty at Mount Allison University in 1975.

He has a number of published works to his credit, and has presented papers at conferences throughout North America and the U.K. He was named an Honorary Research Fellow, 1981-1987, at Dalhousie University and sits on several committees, including the editorial board of *Contemporary French Civilization* and the executive committee of

l'Association Canadienne de Humanités.

Dr. Foth is Director of Extension Credit Programs and associate member of the Department of Psychology at Simon Fraser University. He is responsible for the planning, development and administration of evening and summer on-campus undergraduate degree, certificate and diploma programs. Dr. Foth also coordinates the academic support services for students who register in these courses. In addition, he is responsible for the general coordination of the on-campus extension credit programs with those that are being developed and offered as part of the university's program in downtown Vancouver, an initiative that he has been involved in since its inception in 1979.

Educational telecommunications was Dr. Foth's second area of interest. During the past three years, he has been responsible for overseeing the development and administration of the University's programs that are distributed via the province's new telecommunications system, "Knowledge Network." As well, he served as executive producer for "Apiculture: An Introduction to Bees and Beekeeping," a nine-part teleseries about bee biology and colony management, and "Project 121," the university's first closed-circuit distribution of a semester-length undergraduate credit course between the campus and the downtown Vancouver facility.

A native Albertan and an alumnus of our University, receiving both undergraduate and graduate degrees here, Dr. Foth was Assistant Professor of Psychology at UBC prior to joining the Office of Continuing Studies at Simon Fraser in 1975. His publications are in the areas of learning, memory, and continuing education

and he is a consulting editor for the *Canadian Journal of University Continuing Education*.

Dr. White was first appointed Dean of Arts in 1980. He came to this position from the Department of Sociology, where he had been Chairman since 1975 when he joined our University. Previously, Dr. White was Head of the Department of Sociology and Anthropology at the University of Windsor.

The Educational Affairs Committee (EAC) reported to the Board the appointment of Richard d'Alquen as Chairman of Germanic Languages for five years effective 1 July 1985. Dr. d'Alquen holds the following degrees: BA (Nottingham, 1956), MA (Alberta, 1962), PhD (Illinois, 1967). His first appointment at our University was in 1968.

## Quota Reduced Temporarily

Governors also approved an EAC recommendation of the proposal from the Faculty of Pharmacy and Pharmaceutical Sciences for a temporary reduction in the quota from 130 to 110 students, for a two-year period effective 1 September 1985. The reduction was requested primarily because of curriculum changes which incorporate a professional practice component.

The Finance Committee recommended and received Board approval for parking fees for the 1985-86 academic year. The only increase in fees is for casual permits, for visitors arriving before 9 a.m., which have been increased to \$3. The Board also approved a request from the Michener Park Education Centre.

*Continued on page two*

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## Mechanical Engineering Observing a Milestone

The Department of Mechanical Engineering will be celebrating the 25th Anniversary of its first graduating class on the weekend of 24 and 25 May. A variety of social and technical events are planned. Included are:

- Friday evening at Lister Hall, starting at 7:30 p.m., an alumni and faculty get together, followed by a special roast at 9 p.m. of George Ford who is retiring at the end of the academic year.
- Saturday morning at 10:30 a.m., official opening of the Acoustics and Noise Unit Laboratory located at 6720 30 Street.
- Saturday afternoon, starting at 1:30 p.m., official ceremonies and open house in the Mechanical Engineering

Building running until 5 p.m.

● Saturday evening, an alumni banquet at the Westin Hotel.

Visitors are welcome to attend the events. Those wishing further information should contact J.D. Dale, Department of Mechanical Engineering, 432-5317. □

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## NUW Correction

*Folio* of 2 May pegged National Universities Week 1985 as 17 to 29 October. Check that, please. The correct date is 19 to 27 October. A thousand pardons. □

cation Society (MPES) for a rental subsidy of \$6,480 per year, commencing 1 July 1985, for premises provided by Housing and Food Services in Michener Park. The subsidy will be adjusted on 1 April 1986 and annually thereafter in the same proportion as the adjustment in the rentals applicable to the tower in which the Society is located. The subsidy is to cover the increase in rent resulting from the MPES' expansion of its Day Care Centre operation.

In its report, the Board Building Committee notified the Board of a number of items: the Committee has deferred making a decision on replacing the HUB skylight pending a further report on the implications for full renovations to the building; a pre-design report for the Swine Research Facility at the Edmonton Research Station has been approved; approval has been given to the Facilities Program for a Child Health Research Centre but with no commitment as to

siting; approval has been deferred concerning the appointment of a consultant for the proposed expansion of the Heating Plant, pending preparation of a contractual document; the Committee received an oral report on the City's proposal to construct an outer ring-road through a portion of the Ellerslie Research Station which is leased from the Department of Public Works. Discussions continue with various levels of government to resolve this problem satisfactorily.

An oral report was made on the progress of negotiations with the City concerning the proposed re-alignment of University Avenue and 82 Avenue. The City's original proposal, which would have resulted in encroachment upon the land south of Corbett Hall, has been substantially modified. Should the present proposal go forward, the University will concede a small parcel of land south of Corbett Hall while gaining a similarly sized parcel southwest of Corbett Hall. □

## Wohlfarth of the North (and Other Points of Interest)

After standing on the Geographic North Pole, Harry Wohlfarth harbors none of the is-that-all-there-is syndrome. Professor Wohlfarth was awed then (14 April, 6 p.m.) and he's awed now. At least he was last week when *Folio* caught up with him in his third floor office in Corbett Hall.

The Professor of Extension went north "to stand on top of the world, to see what hell frozen over looked like" and to collect information and impressions for a series of paintings.

The Pole was a sight to behold unless the words "frightening," "magnificent" and "immensely powerful" have been devalued. Landing there in

a Twin Otter plane was also an experience not to be missed, but only if you are a thrill seeker of the first order. The whiteness of knuckles rivaled that of the landscape as the pilot and 10 passengers (three Canadians, seven Americans), aware that two other planes had plopped through the Arctic Sea ice, circled the area for several minutes to select a good landing zone. When the first attempt produced a sound not unlike that of a cannon exploding, the plane zoomed skyward. The second attempt was successful but the adventurers sat with bated breath for a few minutes before gingerly deplaning. One engine was left idling as the group made its way some 2 km to the Geographic North Pole, the true north where the Pole is fixed at 90 degrees.

Professor Wohlfarth describes the area as being one of sheer sea ice, blue-green with a fine powdering of snow on top. There were hard drifts going in one direction and an occasional iceberg. With the mercury at -92° C, however, he was rather anxious to get on with his business. This included the planting of three flags—those of Canada, Alberta and the University of Alberta, the latter at the suggestion of President Horowitz. Trouble was Professor Wohlfarth had to find a drift deep enough to get his flag-draped ice axe into. Two quick sips of champagne (the rest froze in the glass), the taking of some photographs and a quick exploration of the vicinity later it was time to return to home base at Eureka, a weather station about 900 km away.

A few days later, Professor Wohlfarth set foot on the Magnetic North Pole, which is some distance south of the Geographic North Pole.

He also climbed 2,200 foot Mount Inuktschuk hard by the settlement of Griesfjord.

One sight that intrigued him was the building of an igloo. Selecting a high and hard snow drift, the worker took only an hour to cut and align the blocks. They fit so snugly that a single candle warmed the interior. Sheets of plywood covered with foam rubber kept the floor warm. Professor Wohlfarth spent a night in the igloo, to "add to the total experience."

The paintings that he intends to produce will show the "beautiful, soft flowing lines of the landscape," a landscape that's stacked against an environment that "could kill you at

any time." The beauty and the beast theme is prevalent in the north, much more so than in Europe where the German-born artist has done a good deal of climbing and hiking.

The paintings will be shown in a one-man exhibition here, perhaps next spring, before being given the same treatment in Rome. Professor Wohlfarth has already had four one-man exhibitions in Rome and others in Zurich, Paris and Moscow.

The Wohlfarth itinerary is dotted with past (Mount Everest, Bangkok, Greenland) and future (China and Tibet, Peru, the headwaters of the Amazon, and, in 1989, a 28-day safari through the southern part of the Sahara Desert) journeys.

After that he says he would love to go on the space shuttle or even to the moon, "as an artist, of course."

One certainty is that he will not have to be pronounced fit for travel. His weight hasn't changed in the last 40 years, a fact he attributes to walking, stair-climbing and the Wohlfarth dictum: cut out sugar when you reach the age of 35.

In addition to material for his paintings, Professor Wohlfarth brought back ivory carvings, and warm thoughts of the people of Griesfjord, a settlement founded in the 1950s to ensure a Canadian presence on Ellesmere Island. It is the northernmost permanent settlement on the North American continent. "They (the 104 Inuit residents) are a very happy people who love their land," says Professor Wohlfarth. He found that the 10 Caucasian residents (RCMP, teachers and one nurse who is a protean figure in the field of medicine) are "coming under the same spell." □



Harry Wohlfarth at 89.97° N, 104.59° W.

## FOLIO

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## University and Bell Northern Research Partners in \$9 Million Research Centre

It is now official. The University and Bell Northern Research (BNR) have established the Alberta Telecommunications Research Centre (ATRC). The joint, five-year, \$9 million research and education program creates a telecommunications centre located at BNR's Edmonton laboratory.

The formal announcement was made Monday, 6 May, at the BNR Edmonton lab by The Hon. Milt Pahl, MLA for Edmonton Mill Woods and Alberta's Minister responsible for Native Affairs; President Myer Horowitz; BNR Research President John Roth; and Northern Telecom Canada Ltd. President David Vice.

To carry out the ATRC program, BNR will provide \$4.5 million, the province will contribute \$3.6 million and the University will supply the remaining \$0.9 million.

The Centre, which involves cooperation with the Department of Electrical Engineering, will focus on basic technical aspects of fibre optics and will also look into related telecommunications applications, such as computer-aided design.

By the fall of 1985, the ATRC will be totally involved in its planned research activities and will offer courses as part of the regular curriculum of

Electrical Engineering. Future plans include offering advanced evening classes to graduate students and to engineers employed in the Alberta telecommunications and electronics industry. The courses will be taught by University professors and BNR scientific staff.

Staff of the Centre will include scientific, technical and secretarial personnel from BNR, as well as faculty members and post-graduate students from the University. The newly appointed Director of the Centre is Jan Conradi, currently Manager, Optical Transmission Technology, at BNR Edmonton. Dr. Conradi joined BNR's advanced systems research department in 1976 where he worked on the development of photodetection systems and on the design and characterization of fibre optic communications systems.

BNR is a leader in the design and development of advanced telecommunications and integrated office systems. The company is owned 70 percent by Northern Telecom Ltd. and 30 percent by Bell Canada. Based in Ottawa, BNR has other labs in Edmonton, Toronto and Montreal as well as the U.S. and Britain. It is active in the support of higher education

and has a similar institute in Montreal. In addition, it provides financial support to university programs, hosts professors on study leave, donates sur-

plus equipment, offers graduate awards to selected employees and hires university co-op and summer students. □

### University of Alberta Associate Vice-Presidents (Academic)

The Vice-President (Academic) invites applications for two positions in the Office of the Vice-President (Academic): **Associate Vice-President (International Affairs)** and **Associate Vice-President (Information Systems)**. Dr. Ron Bercov will be returning to the Department of Mathematics after five years of distinguished administrative service to the University; the other position stems from a transfer of responsibilities as a result of a reorganization of the senior administration so there will be one fewer Associate Vice-President reporting to the Vice-President (Administration).

The principal responsibility of the Associate Vice-President (International Affairs) will be to coordinate the University's rapidly developing activities in this area. He or she will assist in the development and oversee the administration of major projects as well as providing on-going support and information services to faculty with interests in international areas. This office will also be a first point of contact for international agencies and visitors to the campus.

The Associate Vice-President (Information Systems) will be responsible for coordination of information activities, including the Library, Computing Services, Office of Administrative Systems, Printing Services, the University Press and the University Archives.

In addition to spending about half their time in activities related to their principal responsibility, the Associate Vice-Presidents will advise the Vice-President on a wide variety of academic issues as they arise, and will act for the Vice-President from time to time, for example, on selection committees for academic administrators.

Staff interested in either of these positions should communicate directly in writing with the Vice-President (Academic), Dr. J. Peter Meekison, 3-5 University Hall, by **31 May 1985**.

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## Committee on Equality Rights Seeks Input

A Committee on Equality Rights is examining federal laws to ensure that they conform with both the letter and the spirit of Section 15 of the Charter of Rights and Freedoms.

The Section, in effect as of 17 April 1985, guarantees the equality of all Canadians, and prohibits discrimination.

The committee is charged with placing federal statutes in line with the various equality and non-discrimination guarantees contained in Section 15. The committee is seeking the views and opinions of interested Canadians prior to making its recommendations for changes and reforms.

J. Patrick Boyer, M.P., Chairman of the Committee on Equality Rights, says the committee is looking at the broader questions of equality that raise fundamental aspects of the social, economic and cultural policies behind existing laws.

The committee will hold public hearings across Canada in late May and June.

All correspondence and enquiries may be directed to: Clerk of the Committee, Committees and Private Legislation Branch, House of Commons, Ottawa, Ontario K1A 0A6. Telephone: (613) 996-1438. □

## Hiroomi Umezawa to be Honored at International Symposium on Quantum Field Theory

In honor of Hiroomi Umezawa, Killam Professor of Science, on the occasion of his 60th birthday and for his great contribution to quantum field theory, an international symposium on quantum field theory will be held at Positano, Italy, 5 to 7 June 1985. This conference has been organized by his former students and colleagues and is supported by the University of Salerno, in Italy, and the University of Alberta.

In the modern history of physics, one of the frontier efforts of research has been to penetrate deeper into the

microscopic world, seeking an understanding of atoms, nuclei, elementary particles and quarks. The basic tool dealing with this kind of physics is called "quantum field theory". Since the mid-1940s, quantum field theory has made tremendous progress to the point where nowadays it has matured sufficiently to be considered the standard method not only in fundamental particle physics but also in areas where collective dynamics of many particles play a key role, such as cosmology and in solid state physics. Einstein's general relativity and quark

physics and analysis of many solid state phenomena (such as superconductivity, superfluidity, magnetism, etc.) are areas where quantum field theory is vital. It is for this reason that there are several international symposia each year for specialists to discuss further developments and applications of quantum field theory.

Dr. Umezawa was one of the internationally-renowned pioneers during the post-war development of quantum field theory and he still leads in its development. He started his research activity at age 22 as a Research Associate at Nagoya University after he graduated from there in 1946. At age 28, his famous book *Quantum Field Theory* was published by North Holland and this book became a classic in its field. He was appointed as an Associate Professor at Nagoya University in 1953 and moved to the University of Tokyo in 1955 to hold the first Chair for the Professor of Elementary Particle Physics. After leaving Japan in 1964, he stayed in Italy from 1964 to 1966, holding joint positions as a Professor in the Institute of Theoretical Physics, University of Napoli, and a Leader, Group on Structure of Matter, Centre of National Research, Naples Division. In 1967, he was appointed as a Distinguished Professor at the University of Wisconsin-Milwaukee and later, in 1975, joined the University of Alberta as the Killam Professor of Science. He celebrated his 60th birthday in September 1984.

During the time he held these positions, he guided many students throughout the world who now are actively working in this field. At the University of Salerno, there are three former students occupying positions who still work closely with him. They initiated this symposium (especially F. Mancini, who is now the Director of the Department of Theoretical Physics) by seeking support from the University of Salerno. Combined with the efforts of W. John McDonald, the Dean of Science, support was given by the University of Alberta, making this symposium a reality.

Dr. Umezawa's pioneering contributions to quantum field theory cover the classification of the reno-

rmalizable quantum field theory (which was a guiding principle that led Weinberg-Salam to the unified theory of the weak-electromagnetic interaction), the theory for the spectral representation (which gives the basic mathematical property in the formalism in the quantum field theory), the theory for the ordered state (the macroscopic order and the creation of the macroscopic objects from the quantum objects) and the finite temperature quantum field theory.

Dr. Umezawa's current research group deals with a surprisingly large variety of subjects in physics. Besides their contributions to fundamental particle physics, they have made many significant contributions to the recent development of superconductivity and magnetism. Recently, Dr. Umezawa's ideas in quantum field theory have been extended to the analysis of the non-equilibrium phenomena.

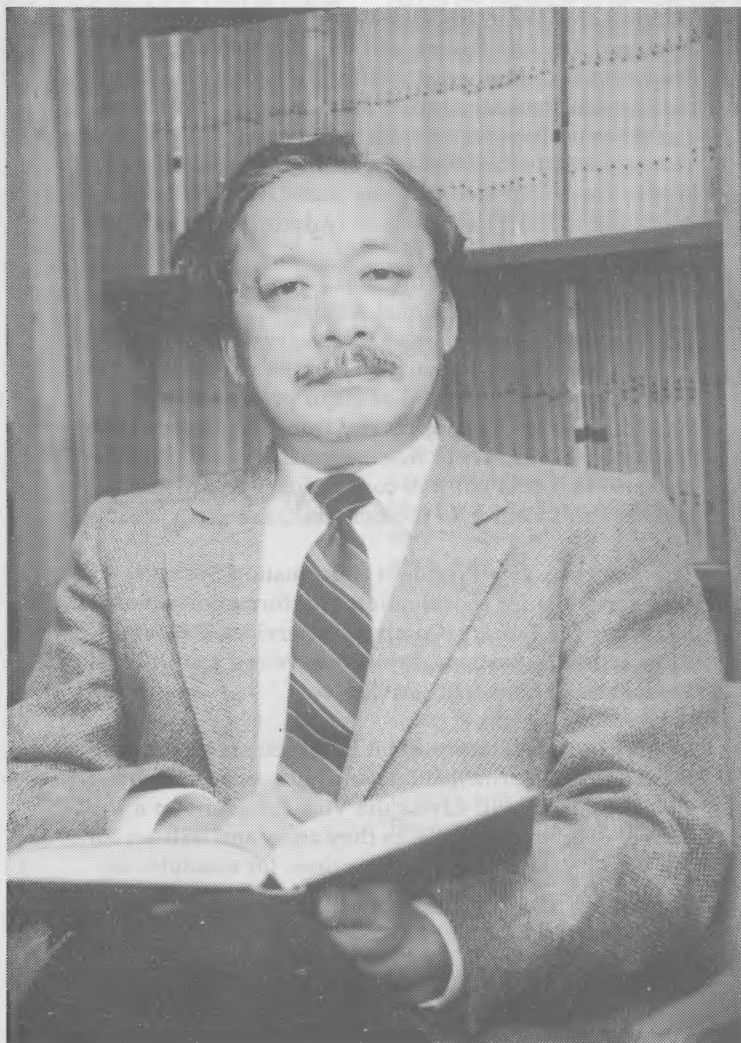
In addition to holding the position of the Killam Memorial Professor of Science at the University of Alberta, Dr. Umezawa is a Fellow of the American Physical Society and a Fellow of the New York Academy of Science. □

## Go On, Pick a Sport

Physical Education's Summer Sports Camps organizers, facing a "the more the merrier" situation encourage 'campers' to register by 1 July.

Now in its 19th year, the program offers camps in basketball, football, gymnastics, hockey, power skating, soccer, swimming, tennis, track and field, volleyball and wrestling. Some of the more popular camps have more than one session from which to choose and in some cases quotas are placed on enrolment to ensure "an optimal learning environment."

The camps are taught by University varsity team coaches, national and international coaches, staff and members of Golden Bear and Panda teams. Telephone 432-3534 for more information. □



Hiroomi Umezawa





Mrs. S.H. McCuaig talking with Chancellor Savaryn before the presentation on 7 May of the Rutherford Awards for Excellence in Undergraduate Teaching. Mrs. McCuaig, a spritely nonagenarian, is the daughter of Alberta's first premier, Alexander Cameron Rutherford, after whom the award is named.



The four Rutherford Award winners. From left to right: Gene Lechelt (Psychology), Rosemary Nielsen (Classics), Stan Munro (East Asian Languages and Literatures), Russ Pendergast (Economics).

## Botanic Garden Open

The University of Alberta Devonian Botanic Garden opened its gates to the public for the 1985 season on 1 May. The Garden will be open each day from 10 a.m. to 4 p.m. Monday through Friday and from noon to 6 p.m. on Saturdays, Sundays and public holidays. The season ends on 30 September.

Adjacent to the new public parking

lot, a new gift shop will be open for the sale of dried flowers, grasses, "exquisite arrangements" and supplies, as well as for books and numerous gift items.

Admission is free. Come explore a unique local attraction located 5 km north of Devon on Highway 60. Follow the signs. □

## Rate Increase for Locker/Towel Service

Locker and towel service rates in the Physical Education and Recreation Centre will be increased on 1 July for staff and on 1 September for students.

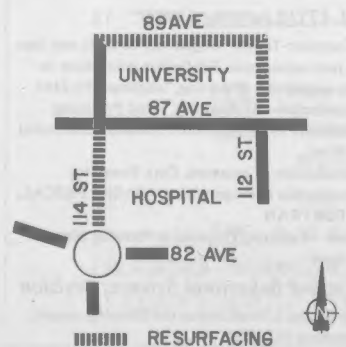
The increase comes after a careful review of costs associated with the operation of the Centre. A comparative survey was carried out and it showed that the University will continue to provide services and facilities at the most economical rates when related to similar institutions. At the University of Calgary, for example, staff and students pay between \$27 and \$36 annually while here, students are charged \$20 and staff \$25.

Regulations governing student lockers will remain the same in that students will be required to pay the fee plus a \$10 deposit. It will be refunded at the end of the semester upon return of the towel and lock. In the past, staff have been required to pay the fee but no deposit. To maintain consistency, a refundable deposit system will be implemented for staff effective with the new rental year. □

## Blacktop Bulletin

The University of Alberta and University Hospitals in cooperation with the City of Edmonton Transportation Department are resurfacing roadways in the University area.

Crews are working on University Avenue to 87 Avenue, 89 Avenue from 112 Street to 114 Street, and 112 Street from 87 Avenue to 89 Avenue. The resurfacing began on 13 May and should be completed by 27 May. During this time, one lane of traffic will be open for each direction on affected roadways. □



## service information

All information to be included in this column must reach the Office of Community Relations by 16 a.m. the Thursday prior to publication.

## Coming Events

### Lectures and Seminars

#### Psychology and the Centre for the Study of Child Development

16 to 18 May. "Formal Methods in Developmental Psychology," a conference on advances in the use of mathematical, statistical, and computer simulation techniques in developmental psychology. 3-1 Mechanical Engineering Building. Contact J. Bisanz or C. Brainerd, Department of Psychology, for further information.

#### Medicine

17 May, 8 a.m. L. Miedzinski, "Leprosy." 2-115 Clinical Sciences Building.

#### Alberta Heritage Foundation for Medical Research

17 May, 11 a.m. Edouard Kurstak, Department of Microbiology and Immunology, University of Montreal, "Progress in Immunoenzymatic Techniques as Applied to Viral Diagnosis." 628 Medical Sciences Building.

23 May, 12:30 p.m. G.D. Fasman, Graduate Department of Biochemistry, Brandeis University, Waltham, Massachusetts, "A Critique of the Utility of the Prediction of Protein Secondary Structure." 227 Medical Sciences Building.

#### Microbiology - University of Alberta Hospitals

21 May, 3 p.m. H. Rosalyn Devlin, M.D., F.R.C.P.(C), Toronto General Hospital, "Clostridium Difficile." Classroom "D", 2F1.04 Walter C. Mackenzie Health Sciences Centre.

#### Oral Biology

22 May, noon. Julius Kieser, Dental Anthropologist, Johannesburg, South Africa, "Fluctuating Dental Asymmetry as a Host Response to Stress." 4069 Dentistry/Pharmacy Centre.

#### UNDO (University Nuclear Disarmament Organization)

23 May, 4 p.m. Mel Hurtig, "Canada - the Vanishing Country." 1-05 Faculty of Business Building.

#### Music

##### North Power Plant

17 May, 8 p.m. to midnight. "Lance Jack and his Disco Shack."  
24 and 31 May, 8 p.m. to midnight. "Bunnie's Disco."

#### Alberta Guild of English Handbell Ringers

2 June, 3 to 4:30 p.m. "An English Handbell Concert." Up to 20 handbell choirs performing selec-

tions of 2-5 octave music. Part of the International Handbell Festival 1985. Free admission. Main Gymnasium, Physical Education and Recreation Building.

## Exhibitions

### Ring House Gallery

*Until 26 May.* "Rural Alberta Community Photo Exhibition." A pictorial anthology on contemporary rural Alberta.

*Until 26 May.* "Flights of Fancy—Newfoundland Yard Art." An exhibition of 100 photographs which illustrate some of the colorful yard art to be found in Newfoundland and Labrador.

## Radio and Television

### Radio

CJSR-FM, 88.5, Campus Radio. Eclectic programming, including folk, jazz, new music, rock and U of A news and sports coverage. See *Airtight* magazine for full programming details. Send public service announcements to 224 SUB, 432-5244.

## Theatre

### Sub Theatre

*17 to 19 May, 6:30 p.m.* Weekend Youth Conference - "Celebrate Life" - presented by the Lutheran Student Movement. Call Vic at 471-2744 for more information.

*20 to 31 May* Alberta Dance Educators Association's Annual Dance Competitions, including the "Show of Stars" on 31 May, 7:30 p.m. Call Marie at 451-5426 for more information.

## Matters of Faith

### Catholic Campus Ministry

St. Joseph's College Summer Mass Schedule:  
*29 April to 1 September, Monday, Wednesday, Friday - 7:30 a.m., 12:10 p.m.; Tuesday and Thursday - 7:30 a.m., 12:30 p.m., Saturday - 12:10 p.m., 4:30 p.m.; Sunday, 9:30 and 11 a.m.*

## Non-Credit Courses

### Computing Services

#### MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)  
AJ510 Operation and Visual Editing (Prerequisite)  
MTS Overview (Prerequisite)

#### TEXTFORM

Introduction to Text Formatting (Prerequisite)

#### SPIRES

Introduction to SPIRES (Prerequisite)  
Advanced SPIRES

#### Graphics

Integrated Graphics Overview (IG)

#### Statistics

Data Preparation for Statistical Packages (Prerequisite)  
Introduction to SPSSx  
Introduction to MIDAS

#### Microcomputers

Introduction to the IBM PC

Introduction to the Personal Editor  
Introduction to MultiMate  
Advanced MultiMate  
Introduction to Microcomputers  
Introduction to MicroSoft FORTRAN  
Introduction to Macintosh

The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

#### Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.

Advanced Text Formatting  
Introduction to Plotting  
Introduction to Programming  
Introduction to Typesetting  
Introduction to APL  
Introduction to Tell-A-Graf  
Introduction to BMDP  
Introduction to MINITAB  
Introduction to TROLL

For more information on any of the courses listed above, telephone the Training Coordinator at 432-2511, between 8 a.m. and 4 p.m., weekdays.

## Faculty of Extension

### Certificate Programmes

For further information on the programmes listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.  
Management Development  
Personnel Administration  
Computers and Business Data Processing  
Industrial Security Management  
Purchasing Management Development  
Applied Land Use Planning Certificate Programme  
Public Administration Certificate (432-5052)

### Citation Programme

For further information on the following programmes, telephone the number(s) listed behind the course.

Executive Development Programme for Women (432-5545 or 432-3027)  
Supervisory Development Programme (432-5066)

### Land Use Planning Studies

For further information on the following courses, telephone 432-2912.  
Plans and Processes  
Survey and Analysis (Field Trip)

### Industrial Courses

For further information on the following course, telephone 432-2912.  
Maintenance Management

### PLATO Learning Centre

"Computer-Taught" courses can be taken any time at your convenience. For further information on this unique way of learning, telephone 432-2444.  
Introduction—Keyboarding, Word Processing  
Excellence in Administrative Assistant/Secretarial Work  
Introduction—Computers, Data Processing  
Introduction to Programming—BASIC, PASCAL, FORTRAN  
Time—Resource, Financial or Planning Management

### Applied Behavioral Sciences Division

For further information on the following courses, telephone 432-5069.

Accessing Your Personal Power  
Introduction to NLP (Neuro-Linguistic Programming)  
Assertion and Interpersonal Skills Training for Professionals—Level I  
The Eclectic Counsellor

## Notices

### General Faculties Council

GFC's next meeting is scheduled for *Friday, 24 May, at 2 p.m.* in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes of 29 April 1985
3. Question Period
4. New Members of GFC 1985-86

#### Reports

5. Executive Committee Reports
  - 5.1 Executive Committee Minutes of 6 May 1985
  - 5.2 Executive Committee Minutes of 13 May 1985

6. Report of the Board of Governors
7. Report of the Nominating Committee

#### New Business

8. Animal Laboratory Services: Proposed Revision to Section 15 of the Policy Manual
9. Report of the Interdisciplinary Research Units
10. Policy Effects of Abolishing Supplementals and Instituting Re-examinations: The Grade of 3

For information concerning this agenda, or any items which may have been added to the agenda at the GFC Executive Committee meeting of 13 May, members of the University community may telephone Ellen Solomon, Secretary to GFC, 432-5430.

### Lorne Leitch to Retire

Lorne Leitch, Vice-President (Finance and Administration), is stepping down from that position on 30 June to prepare for his return to the Faculty of Business. An informal reception to honor Mr. Leitch and his wife, Kathie, will be held on Friday, 12 July, from 3:30 to 6 p.m. at University House.

All members of staff and friends and acquaintances of Mr. and Mrs. Leitch are invited to attend the reception.

Persons wishing to make donations toward a farewell gift for the couple are invited to send cheques payable to the "Lorne Leitch Farewell Fund," care of Mrs. June Butt, 3-12 University Hall, prior to 5 July.

## Surplus Equipment

*The equipment appearing in this column is available only to University Departments with University administered funds. For further information about the purchase of equipment or the disposal of your department's surplus equipment, contact Jody Brookwell or Roy Bennett, telephone 432-3208.*

Wanted: (1) Hughes-Owens adjustable metal drafting table

For more information, telephone Miss Matthews, Medical Publications, 432-6861. 13-120 Clinical Sciences Building for viewing.

- (1) Chemical Balance - 1 Microgram Sensitivity  
For more information, telephone Dr. Egerton, Physics, 432-5095.

- (1) 37 degree waterbath or a small incubator  
For more information, telephone Sonik, Occupational Health and Safety, 432-3142, 432-5614.

## Positions Vacant

*The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

## Non-Academic Positions

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 10 May 1985. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.*

*Positions available as of 10 May 1985.*

Clerk Steno II (Part-Time/Trust) (\$8.20/hr.)  
Cancer Research Group  
Laboratory Assistant II (\$1,161-\$1,442) Provincial Laboratory  
Clerk Steno III (\$1,294-\$1,625) Extension  
Clerk Steno III (\$1,294-\$1,625) Law  
Clerk Typist III (\$1,294-\$1,625) Registrar's Office  
Clerk Typist III (Trust) (\$1,294-\$1,695) Civil Engineering  
Administrative Clerk (\$1,442-\$1,842) Physics  
Secretary (Trust) (\$1,442-\$1,842) Institute of Law Research and Reform  
Departmental/Executive Secretary (\$1,625-\$2,092) Educational Administration  
Computer Assistant II (\$1,338-\$1,697) Computing Services  
Technician I (\$1,497-\$1,920) Computing Services  
Maintenance Worker I (\$1,561-\$2,003) Housing and Food Services  
Technologist I (1,697-\$2,182) Botany  
Biochemistry Technologist I (Trust) (\$1,697-\$2,182) Biochemistry  
Technologist I (Part-Time) (\$849-\$1,091) Anthropology  
Technologist I (Part-Time Recurring Term) (\$849-\$1,091) Anthropology  
Technologist (Trust) (\$1,697-\$2,182) Foods and Nutrition  
Electronics Technician II (\$1,766-\$2,280) Physical Education and Sports Studies  
Art Technician Demonstrator I (Part-Time) (\$883-\$1,140) Art and Design  
Administrative Assistant I (\$1,842-\$2,378) Surgical-Medical Research Institute  
Biochemistry Technician II (Trust) (\$1,920-\$2,486) Genetics  
Maintenance Worker II (\$1,842-\$2,378) Physical Plant  
Electron Microscope Technician II (\$1,920-\$2,486) Zoology  
Programmer Analyst III (\$2,596-\$3,390) Computing Science

*For vacant Library positions, please contact the Library Personnel Office, Basement, Cameron Library. Telephone 432-3339.*

## Advertisements

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' cor-*

rections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

#### Accommodations available

Sale - New, exclusive, upgraded home. Lovely modern kitchen, two baths. Professionally developed basement. Double garage. Lovely, treed lot. The jewel in Parkallen. \$89,900. Call Joyce Byrne, 435-6064, 436-5250. Spencer's.

Sale - Parkallen, spacious family home. Four bedrooms, two baths. Sacrifice. \$74,900. Ask for Joyce Byrne, 435-6064, 436-5250. Spencer's.

For rent - \$725/month, unfurnished, three-bedroom house. Garage, McKernan area, walking distance to University. Starting 1 July 1985. Phone 438-0183.

Rent - University Avenue, 10839. Beautifully furnished, one-bedroom apartment. \$400. Car-etaker, #16.

Sale - By owner, Blue Quill. 2,000', four-bedroom, 2 1/2 baths. Attached, two-car garage. Former showhome. 438-3877.

Rent - July to 20 August. Look after my cats, plants, plus \$600, plus utilities and my four-bedroom house with garage is yours. Fifteen minutes to University. 484-8038 after 5 p.m.

Rent - Sabbatical, 111 St. 76 Ave., furnished, three-bedroom with study, garden. No pets. August 1985-August 1986. \$550/month plus utilities. 432-5678, 437-7270.

Sale - 11015 University Avenue. Completely reno-

vated. Two bedrooms. Dave, 437-0794.

Rent - Four-bedroom, fully furnished home. Near West Edmonton Mall. \$750 plus utilities. July 1985-August 1986. 484-9166.

Rent - Sabbatical. Two-bedroom, furnished house near University. Contains one-bedroom, basement suite. Available September 1985 to August 1986. \$550 per month. 437-4518 or 432-5437.

Rent - Sabbatical, Belgravia, furnished, three-bedroom house. Beautiful backyard. Opposite school. July 1985-August 1986. 437-6879, 432-5162.

Sale - Grandview Drive. A well appointed and maintained 2,937 sq. ft., two-storey, with lovely view across Whitemud Ravine. Priced realistically at \$238,500. Evan Potter, Potter Realty, 428-1699, 435-1510.

Sale - Windsor Park, exceptional two-bedroom bungalow. Excellent condition, extensive improvements, basement developed, fireplace, oak floors, garage. John Templeton, ReMax, 438-1575.

Rent - University Avenue. Three bedrooms, two storeys, 2 1/2 baths, carpets, drapes, four appliances, family room with woodburning fireplace. \$850/month. Lease preferred. Phone 432-0568 or, if no answer, 455-3753.

Rent - Historic home, riverfront, two bedroom suite. 1 July, \$400. 432-5076.

Sale - McKernan, three-bedroom bungalow. Two bathrooms, fireplace, well kept, lovely location, close to University. 435-4369.

Rent - Three-bedroom, furnished bungalow. Riverbend. Basement, two fireplaces. Available 1 Sep-

tember to 30 April. University bus route. \$600 plus utilities. 435-2447.

Rent - Luxury condo. apartment. Claridge House. One block to University. Two-bedroom, 1,300'. \$850 includes parking, utilities, air conditioning, five appliances, insuite laundry. 430-6797.

Sale - University. Professionally renovated, two bedrooms, two bathrooms, large country kitchen, built-in appliances, and skylight. Den in cedar with open beam ceiling and skylight. Fireplace, finished basement. 436-4738.

House for rent - Four-bedroom, sabbatical house, study, family room, garage, twelve-minute drive to University, completely furnished. \$750 per month. 1 August 1985-30 July 1986. Phone 483-0006.

Sale - Aspen Drive. Ravine location, three fireplaces, four baths, jacuzzi, skylights. Large lot, double attached garage. \$149,500. Darlene Swelin, 436-5168, 435-4869. Royal LePage.

Sale - Riverbend. 3,200 sq. ft., nine rooms, two storeys, pool. \$227,460. Darlene Swelin, 436-5168, 435-4869. Royal LePage.

Sale - Riverbend. \$500 down, assume 11 1/4% mortgage. Luxury, townhouse, three bedrooms, loft, jacuzzi, three appliances, double attached garage. Phone Reina Proudfoot, Royal LePage, 435-4869, 436-2556.

Rent - Fully furnished, three-bedroom house in north Windsor Park. Study, family room, game room, fireplace, garage, large fenced yard. 15 August 1985 through 15 August 1986. \$1,100 monthly. 432-9305.

Lake lot for rent on Lac Ste Anne (Darwell). \$200/summer. 967-5085 evenings.

For rent - Three-bedroom bungalow, Windsor Park. 6-12 months starting 1 July. Call Edna, 433-7495.

Sale - Belgravia. Bright, three-bedroom bungalow.

Tired of your present political choice?

Come to the

#### First Annual Alberta Green Party Conference

May 18, 19 & 20 at Neighborhood Resources  
18415 17 Avenue, Edmonton

Registration \$35, includes food, reception  
Friday night.

Vic Yanda, 487-3310, 427-7627

#### Next-To-You Fashions

Hub Mall — North End  
University of Alberta Campus

- 1 and 2-piece swimsuits
- Versatile cotton cover-ups
- Cotton shirts, sweaters, pants, skirts, shorts, etc.
- Terry cotton bathrobes
- Cotton nightgowns

Our staff will be happy to help you select the most comfortable, figure-flattering styles from our large selection of beach and swim wear.

Our prices will be a pleasant surprise!!

Watch for our **Spring Sale: Saturday, May 18-30, 1985**

Selection of swimwear, shorts, tops, lingerie—**½ price + less**  
All other merchandise **20% off regular price**

A Northern Light Theatre Production  
**HAASA THEATRE (JUBILEE AUDITORIUM)**  
**May 10 - 26, 1985** (May 9 Preview)  
TICKETS AT WOODWARD'S, BROWNING'S BOOKS, AT THE DOOR OR  
CHARGE-BY-PHONE 471-1586 AMERICAN EXPRESS, MASTERCARD, VISA  
An Entertainment devised by Sheridan Morley with words and music by Noel Coward  
**NOËL & GERTIE** ... A ROLICKING MUSICAL REVUE!!

A BALANCE AHEAD!

**Mettler**

YOU ARE CORDIALLY INVITED TO A SHOW OF THE  
LATEST WEIGHING TECHNOLOGIES, FROM THE EXPERTS  
AT **METTLER**

DATE - WEDNESDAY, MAY 22ND  
PLACE - UNIVERSITY OF ALBERTA  
MEDICAL SCIENCE BUILDING  
ROOM 355  
TIME - 9:00 A.M. - 5:00 P.M.  
FOR FURTHER INFORMATION, CONTACT MICK O'BRIEN,  
AT FISHER SCIENTIFIC - 483-2123.

**ALLIED** Fisher Scientific

Large lot. Fireplace. Quiet location. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Parkallen. Two-storey. Four bedrooms. Plus suite. Revenue. Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - Pleasantview. Southgate. Super, large lot. Immaculate home, crescent location. Chris Tenove, 433-5664, 436-5250. Spencer's.

Rent - Two-bedroom, California bungalow, furnished, one block from campus. Ground floor only. Reasonable rent. Available 1 September 1985. Phone 434-2911 or 436-1279.

Sublet - Two-bedroom house. Walking distance University. 1 June-15 August. \$350/month (August \$175). 439-3368.

#### Accommodations wanted

If you require a reliable couple (one child) to housesit for you during your sabbatical. Phone 455-4812.

Business is great! As a result we're desperately short of Windsor Park and Belgravia properties, especially bungalows. Phone Reina Proudfoot, Royal LePage, 435-4869, 436-2556 for free market evaluation.

Responsible, professional couple seeking sabbatical house for rent, 1 August for one year, no children, non-smokers. 439-7801.

#### Goods for sale

New Royal typewriters, \$300 and up. Used IBMs when available. Mark 9, HUB Mall. 432-7936.

Bunting-receiving cover for newborn. Beautiful gift. White, ribbons in color of choice. Washable, no iron. \$35.99. Box 1743, Edmonton, Alberta T5J 2P1.

Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

Sailboat - Seventeen-foot Siren, small cruiser, easy to sail and great for family. Comes with motor and trailer. Used one summer only, excellent condition. Asking \$7,000. 436-6456.

Moving sale - Everything must go. Low prices. 433-2075.

Canon AE-1 with 50mm macro zoom lenses and accessories, \$400. 436-1927.

Ladies, mink paw and leather, 3/4 length coat. Size 7, appraised \$1,800. Best offer. 436-1927.

#### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Academic staff: Supplementary healthcare reimburses treatment costs for backaches, stress tension at Back Basic Therapy. Maria Krieg, university-trained in Düsseldorf, offers: heat, massages, chirogymnastics, interferential electrotherapy. 436-8059. 11610 75 Ave.

Landscaping, lawn maintenance. Martin, 433-8729 evenings.

Word Processing Services: Résumés, theses, mailing lists, manuscripts, etc. DJM & Associates. 451-6180.

Experienced architect. Will do renovation/new home designs. Call 973-3198 (local).

Word Processing. \$15/hour. 421-4539. #700, 10150 100 St.

Keep-fit yoga: Special promotion, \$5 (students), \$10 (others). Certified instructors. Ten weeks. Wednesdays, starts 5 June, room 9, floor 14.

Tory, 5 p.m. Registration 4:30 p.m. Information: Carol, 471-2989, weekdays, 8-10 p.m.

Professional seamstress and tailors. Made to order garments. General alterations. 469-6292, consultant Phil.

Competent house cleaning service, licenced, insured. Lawn cutting. For information, 424-8490.

### TRAVEL CUTS CORPORATE SERVICES

TRAVEL CUTS is fully appointed to make reservations for airlines, car rentals, hotels and tours — both international and domestic. We are fully computerized and our staff is knowledgeable about all aspects of travel. We offer you:

- a separate office with full-time staff working only on faculty travel
- convenient on-campus location
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Canadian Universities  
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Main Floor, SUB 432-2756

### FRENCH COURSE FOR PROFESSIONALS

#### Faculté Saint-Jean

July 8 to 26, 1985  
August 6 to 23, 1985

For Information Call: 468-1254 Ext.: 246

# AUCTION

## UNIVERSITY OF ALBERTA & EDMONTON PUBLIC SCHOOLS

### MAY 29TH - 6:00 P.M. 14608 - 115 AVENUE

#### PARTIAL LISTING

FILE CABINETS, CHALKBOARDS, CASH REGISTERS, SELECTRIC TYPEWRITERS, CATALYTIC HEATERS, LAMP REFLECTORS, CROCKLIDS, PIANO, 1/2 HP ELECTRIC MOTOR, PAPER CUTTER, FRAMED CLIPBOARDS, WATERING CANS, WORKTABLES, CAMP STOVES, LAMP GLOBES, SPOT WELDER, DUST APPLICATOR, A/D CONVERTER, WHITE-TORSON BALANCES, AQUARIUMS, MIG WELDERS, BOOKCASES, DESKS, ELECTRIC ERASERS, LIFELINE A ELECTRIC MOTOR, CASH SAFE, PHOTOGRAPHIC PRINT DRYER, SPECTRONIC 20 COLORIMETER, DESPATCH DRYING OVEN, MICROSCOPES, NUMONICS PLANIMETER, BARNSTEAD STEAM STERILIZER, DENTAL CHAIR, 1971 FORD ECONOLINE VAN, PAPER SHREDDER, BINDING MACHINE ...

STORE ITEMS: BINDERS, BEDDING, CHAIR DESKS, BOOKENDS, AND CURTAINS.